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September 23, 1997

VIA HAND DELIVERY

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, D.C. 20554

RECEIVED

SEP 23 1997

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Dear Mr. Caton;

Transmitted herewith on behalf of Northern Christian Radio, Inc. is a "Petition For Rule Making" seeking the assignment of FM channel *272C3 at Sault Ste Marie, Michigan, and the reservation of its use for noncommercial, educational broadcasting.

Please contact the undersigned should you have any questions concerning this matter.

Very truly yours,

Northern Christian Radio, Inc.

By:

Jeffrey D. Southmayd

Its Attorney

Enclosures

No. of Copies req'd _____
List Attached _____

04

BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

RECEIVED

SEP 23 1997

In the Matter of)
Amendment of Section 73.202(b),) RM-
Table of Allotments)
FM Broadcast Stations)
(Sault Ste Marie, Michigan))

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

To: Chief, Allocations Branch
Policy and Rules Division
Mass Media Bureau

PETITION FOR RULE MAKING

Northern Christian Radio, Inc. (hereafter "NCR"), by its
undersigned counsel, hereby respectfully requests that the Commission
modify its FM broadcast station Table of Allotments in Section 73.202¹
of the Commission's rules and regulations as follows:

<u>Community:</u>	<u>Present Allocation</u>	<u>Proposed Allocation</u>
Sault Ste Marie, Michigan	252C3, 258C2, 267C1	252C3, 258C2, 267C1, *272C3

In support of this request, the following is respectfully submitted for the
consideration of the Commission.

¹ 47 CFR 73.202(b).

1. NCR is the Commission licensee of noncommercial, educational FM broadcast stations WHPN, Gaylord, Michigan and WOLW, Cadillac, Michigan. As such, NCR has been found by the Commission to be qualified to be the licensee of FM stations licensed to the portion of the FM band reserved for noncommercial, educational broadcasting.²

2. NCR desires to expand its operations to serve the community of Sault Ste Marie, Michigan with a noncommercial, educational FM broadcast station. However, as the attached ENGINEERING STATEMENT from NCR's engineering consultants, Lechman & Johnson, Inc., demonstrates, there are no channels in the reserved portion of the FM band available for use at Sault Ste Marie due to the proximity of that community to Channel 6 television station WCML-TV, Alpena, Michigan and Canada. See Appendix A to the attached ENGEERING STATEMENT.

3. Accordingly, NCR instructed Lechman & Johnson, Inc. to ascertain the availability of non-reserved band FM channels for Sault Ste Marie. It was determined that FM channel *272C3 can be allocated to that community in full conformity with the requirements of Section

² These are FM channels 201-220.

73.207 of the Commission's rules and regulations. NCR is requesting that FM Channel *272C3 be allocated to Sault Ste Marie, Michigan as a reserved, noncommercial, educational channel.

4. NCR recognizes that, generally, noncommercial, educational stations operate within the reserved portion of the FM band. However, exceptions have been made to this general rule where a full compliment of the channels in the reserved portion of the FM band is not available because of foreign allocations (Canadian or Mexican) or potential interference to operations of VHF Television Channel 6 stations. See *Comobabi, Arizona*, 47 FR 32717, July 29, 1982; and *Lindsay, West Virginia*, 2 FCC Rcd Vol. 20 6046 (1987).

5. NCR submits that the case at hand is an appropriate situation for the assignment of FM Channel *272C3 to Sault Ste Marie, Michigan and the reservation of that allotment for noncommercial use under the cited, and other, Commission precedent. As an initial matter, the use of reserved band FM channels at Sault Ste Marie is limited by both foreign allocations and the proximity of a VHF channel 6 television station. Sault Ste Marie is located on the Canadian border and within the grade B contour fringe of WCML-TV, Alpena, Michigan. As a result, there is only one reserved band, noncommercial, educational FM station

licensed to Sault Ste Marie Michigan, WLSO(FM). WLSO is licensed to Lake Superior State University on FM channel 211A, and operates with nominal facilities of an effective radiated power of 100 watts and an antenna height above average terrain of only 30 meters. The Commission issued the license for WLSO(FM) to Lake Superior State University only after a special treaty was negotiated with Canada.³ Clearly, the reservation of FM channel 272C3 for noncommercial use at Sault Ste Marie, in order to provide only a second noncommercial, educational broadcast service, is appropriate under the circumstances documented herein and under existing Commission precedent.

6. NCR commits to apply for a construction permit to utilize the proposed noncommercial educational assignment upon adoption of this proposal by the Commission. NCR also commits to build a noncommercial FM station using said assignment in the event the Commission subsequently approves its application for a construction permit.

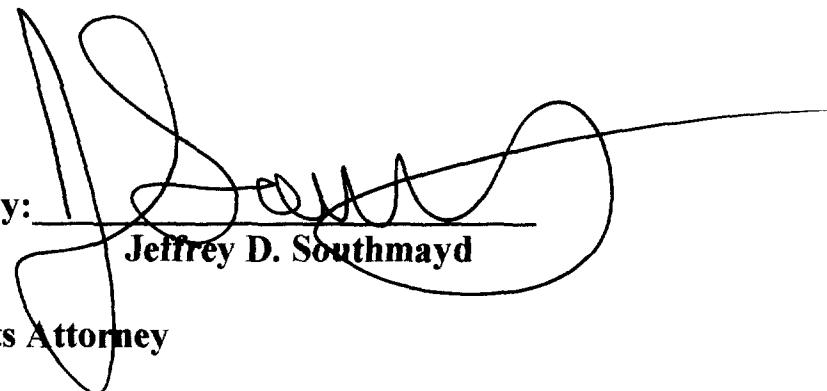
Wherefore, based on the foregoing, Northern Christian Radio, Inc. respectfully requests that the FM Table of Allotments contained in Section 73.202 of the Commission's rules and regulations be modified to

³ See FCC File BLED-931018KB, for which official notice is requested.

**assign FM channel *272C2 to Sault Ste Marie, Michigan, and to reserve
the utilization thereof for noncommercial, educational broadcasting.**

Respectfully submitted,

Northern Christian Radio, Inc.

By: 
Jeffrey D. Southmayd
Its Attorney

**Southmayd & Miller
1220 19th Street, N.W.
Suite 400
Washington, D.C. 20036
(202) 331-4100**

Date: September 23, 1997

DECLARATION

ENGINEERING STATEMENT

PREPARED FOR
NORTHERN CHRISTIAN RADIO
SAULT STE MARIE, MICHIGAN

Peter W. Lechman says that he is an engineer with the firm of Lechman & Johnson, Inc., Telecommunications Consultants, with offices located at 9049 Shady Grove Court, Gaithersburg, Maryland, and that his qualifications are a matter of record with the Federal Communications Commission.

That the firm of Lechman & Johnson, Inc. has been retained by Northern Christian Radio to prepare this Engineering Statement in support of a Petition for Rule Making to amend the Table of FM Assignments, Section 73.202(b), to allocate Channel 272C3 to Sault Ste Marie, Michigan and reserve it for non-commercial use only. It is proposed to amend the Table of FM Assignments as follows:

<u>Community</u>	<u>Present Allocation</u>	<u>Proposed Allocation</u>
Sault Ste Marie, Michigan	252C3, 258C2 267C1	252C3, 258C2 267C1, 272C3

A channel study was made to determine whether a channel could be found which would comply with the Commission's minimum separation requirements of Section 73.207 of the Rules and Regulations. This study showed that Channel 272C3 would meet these separation requirements. The reference coordinates relied upon are as follows:

North Latitude: 46° 21' 36"
West Longitude: 84° 25' 36"

Table I is a list of existing stations, applications, allocations and proposed rule makings of co-channel and adjacent channel assignments pertinent to allocating Channel 272C3 to Sault Ste Marie, Michigan. The tabulation of distances shown in this Table were calculated by the methods prescribed in Section 73.208 of the Commission's Rules and Regulations, using the above reference point.

LECHMAN & JOHNSON, INC.

Declaration - Northern Christian Radio
Page Two

Section 73.315(a) of the FCC Rules and Regulations requires that the 70 dBu contour must encompass the boundaries of the principal community to be served. There is no terrain obstruction to the city of Sault Ste Marie, Michigan. Therefore, the proposed operation will provide the requisite coverage to Sault Ste Marie, Michigan in accordance with the provisions of Section 73.315 (a) & (b) of the FCC Rules and Regulations.

Figure 1 is a map which shows the community of license, the reference site and surrounding terrain features.

Appendix A consists of channel studies for the entire non-commercial band. As clearly shown, no non-commercial channel is available.

The results of these studies show that Channel 272C3 can be assigned to Sault Ste Marie, Michigan consistent with the requirements of the Commission's Rules and Regulations.

I declare under penalty of perjury that the foregoing is true and correct.

LECHMAN & JOHNSON, INC.



Peter W. Lechman
Consulting Engineer
August 25, 1997

LECHMAN & JOHNSON, INC.

TABLE I

***** FM CHANNEL STUDY NO. 1 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:30:28 *****
 LAST UPDATE: 970801 *****

NEW	272 C3	FM	POLARIZATION	ERP (KW)	HAAT	RCANSL
SAULT STE MARIE MI	US		HORIZONTAL	HOR PLN	(METER)	(METER)
46.2136	84.2536 (D.MMSS)		VERTICAL	BM TILT		
				25.000	0.000	100.0
				25.000	0.000	100.0

THE FOLLOWING CONTOURS ARE CALCULATED USING:

ERP= 25,000 (KW) 14.0 (DBK) HAAT= 100.0 (METERS)

CALCULATED HAAT FROM TOPO DATA BASE

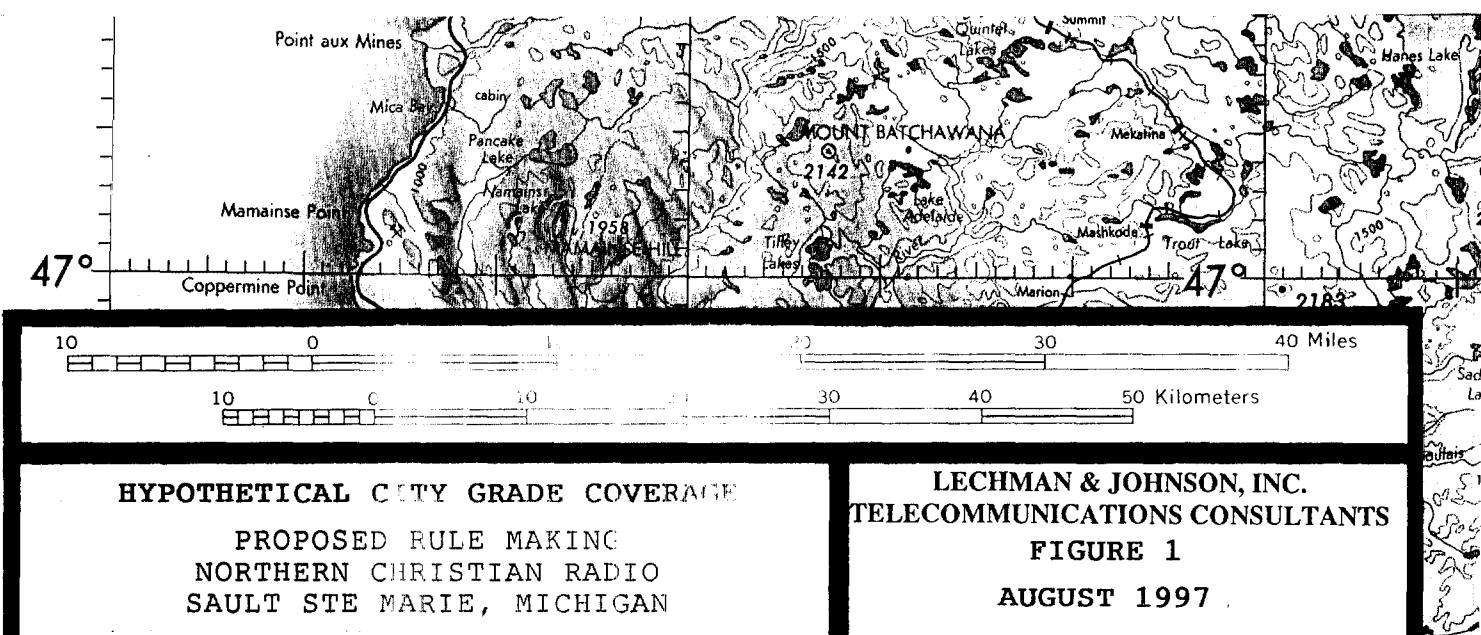
INTERFERING	DOMESTIC	AZIMUTH	HAAT	HAAT	CONTOURS	(KM)	
	DBU KM	DEGREES	(METERS)	(FEET)	70 DBU	50 DBU	54 DBU
CO CHANNEL	(40.0) 113.6	0.0	108.3	355.3	24.1	40.4	52.3
1ST ADJACENT	(54.0) 60.2	45.0	103.3	338.8	23.6	39.6	51.4
2ND ADJACENT	(80.0) 12.9	90.0	113.5	372.3	24.6	41.1	53.2
3RD ADJACENT	(100.0) 4.1	135.0	99.1	325.1	23.1	38.9	50.7
PROTECTED	(60.0) 39.1	180.0	79.8	261.8	20.8	35.4	46.7
		225.0	84.6	277.5	21.4	36.3	47.7
		270.0	101.0	331.2	23.3	39.2	51.0
		315.0	110.5	362.6	24.4	40.7	52.7
CITY GRADE	(70.0) 23.2	AVERAGE	100.0	328.1	23.2	39.1	50.8

EST SITE ELEVATION : 206.0 m.; 676.0 ft.
 EST RAD CENTER AGL : 94.9 m.; 311.3 ft.
 RAD CENTER A.M.S.L.: 300.9 m.; 987.3 ft.

 THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	LAT	LONG	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT								
FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	(D.MMSS)	REL CHN	HORZ VERT	(M)	F5010	F5050	DIST	RSEP	RSEP	IR	IC	
99.9	280.9	VAC			Blind Riv	ON C	46.1037	82.5855	1ST	271A	H	V			113.2	113.	C	
99.9	280.9	DEL			Blind Riv	ON C	46.1037	82.5855	1ST	271A	H	V			113.2	113.	C	
COMMENTCANADIAN PROPOSAL																		
151.6	332.3	W272AN	LIC	BLFT861113TD	Alpena	MI A	45.0428	83.2651	CO	272D	.023H	V	35D	13.3	4.2	161.9	52.4	117.8
COMMENTTRANSLATOR FOR WMLQ, ROGERS CITY, MI.																		
329.5	147.9	VAC			Marathon	ON C	48.4510	86.3452	CO	272B	H	V	0		311.5	223.		
COMMENTSpecially negotiated, short-spaced allotment-Accepted by Commi																		
99.1	269.4	AID			Elliot La	ON C	46.2316	82.3716	3RD	269B	H	V	0		138.9	71.		
COMMENTCANADIAN PROPOSAL																		
98.0	269.3	VAC			Elliot La	ON C	46.2321	82.3706	1ST	273A	H	V	0		139.1	113.		
98.1	269.4	DEL			Elliot La	ON C	46.2316	82.3716	1ST	273A	H	V	0		138.9	113.		
COMMENTCANADIAN PROPOSAL																		
207.0	26.7	USE			St. Ignac	MI A	45.5207	84.4709	3RD	275C	H	V			61.3	96.	S	
COMMENTCoordinates updated from LIC record BLH820216DA																		
206.2	25.8	WMKC	LIC	BLH901126KA	St. Ignac	MI A	45.3008	85.0144	3RD	275C	100.H100.V	336			106.2	96.		

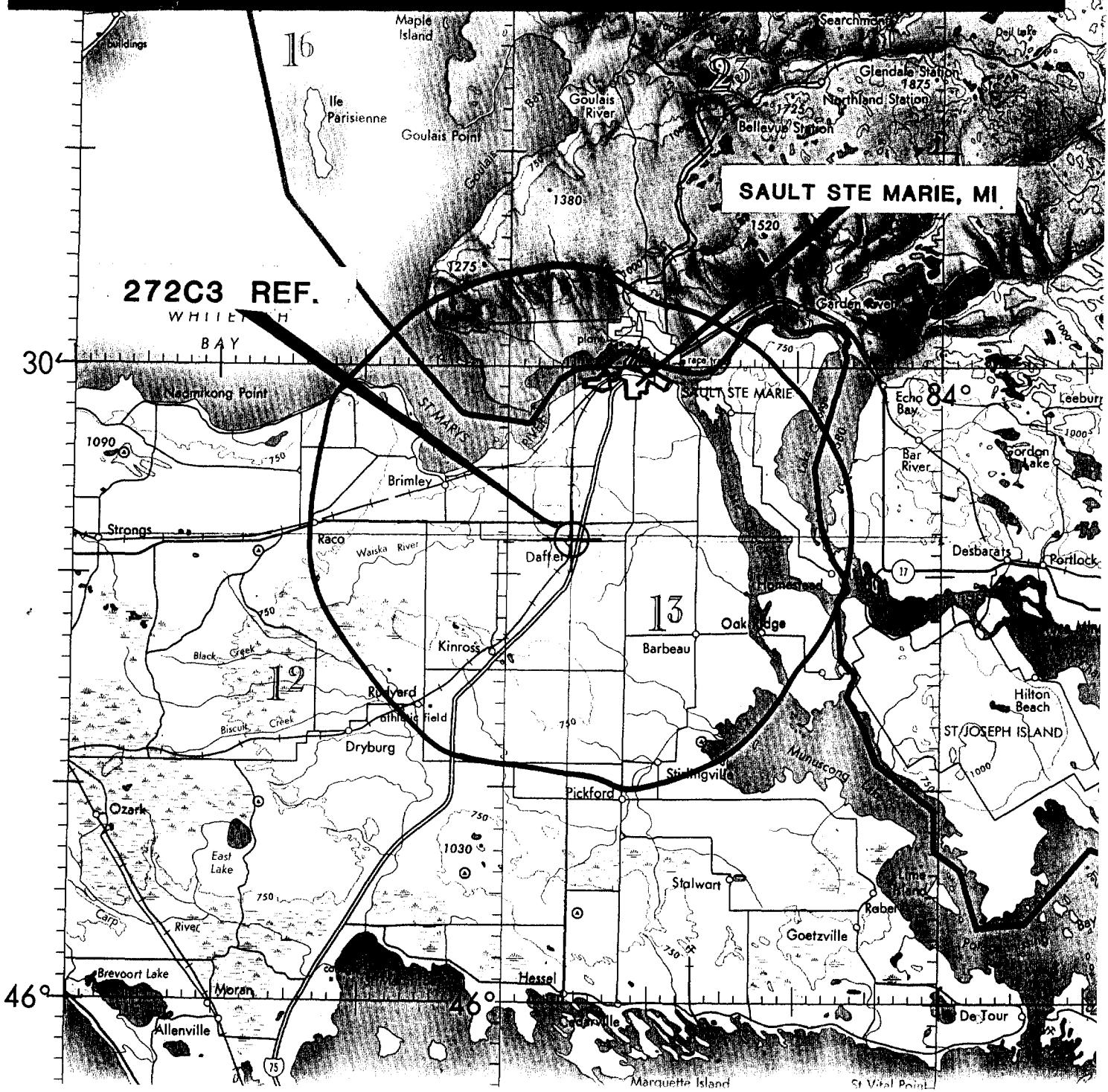
**** NORMAL TERMINATION FM CHANNEL STUDY NO. 1 **** 53 FM RECORDS WERE CONSIDERED, OF WHICH 9 WERE PRINTED ABOVE ****



HYPOTHETICAL CITY GRADE COVERAGE

PROPOSED RULE MAKING
NORTHERN CHRISTIAN RADIO
SAULT STE MARIE, MICHIGAN

LECHMAN & JOHNSON, INC.
TELECOMMUNICATIONS CONSULTANTS
FIGURE 1
AUGUST 1997



APPENDIX A

LECHMAN & JOHNSON, INC.

***** FM CHANNEL SEARCH NO. 1 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:42:10 *****
LAST UPDATE: 970901 *****

NEW	201 A	FX	POLARIZATION	ERP (KW)	HAAT	RCA/MSL
SAULT STE MARIE MI	US		HOR PLN	BM TILT	(METER)	(METER)
46.2136	84.2536 (D,MMSS)		HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

THE FOLLOWING CONTOURS ARE CALCULATED USING:

ERP= 6.000 (KW) 7.8 (DBK) HAAT= 114.3 (METERS) 83 REG_TRUE

CALCULATED HAAT FROM TOPO DATA BASE

INTERFERING	DOMESTIC	CANADIAN	AZIMUTH	HAAT	HAAT	CONTOURS (KM)	70 DBU	60 DBU	54 DBU	
	DBU	KM	DEGREES	(METERS)	(FEET)					
CD CHANNEL	(40.0)	89.0	(34.0)	98.9	0.0	108.3	355.3	16.9	29.4	40.0
1ST ADJACENT	(54.0)	46.3	(48.0)	35.0	45.0	103.3	338.9	16.5	28.7	39.2
2ND ADJACENT	(80.0)	9.7	(74.0)	7.0	90.0	113.5	372.3	17.4	30.0	40.8
3RD ADJACENT	(100.0)	2.9	(94.0)	2.3	135.0	99.1	325.1	16.1	28.2	38.6
PROTECTED	(60.0)	30.1	(54.0)	40.9	180.0	79.8	261.9	14.3	25.4	35.0
				225.0	84.6	277.5	14.7	26.1	35.9	
				270.0	101.0	331.2	16.3	28.4	38.9	
				315.0	110.5	362.6	17.1	29.6	40.4	
CITY GRADE	(70.0)	17.5	AVERAGE	100.0	328.1		16.2	28.3	38.7	

EST SITE ELEVATION : 206.0 m.i 676.0 ft.
EST RAD CENTER AGL : 94.9 m.i 311.3 ft.
RAD CENTER A.M.S.L. : 300.9 m.i 987.3 ft.

**** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs ****

* TV CHANNEL 5 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD,MMSS	LATITUDE	LONGITUDE	ERP	HAAT	GRADEB	DIST	RQDIST	CO-LO	F5050
FMTDTV	TVTOFM	SIGN				DD,MMSS	DDD,MMSS	(KW)	METER	(KM)	(KM)	(KM)	(KM)	(DBU)
171.3	351.5	WCML	BLT394	TVLIC	ALPENA	MI A 45.0917	84.0944	100	475. 118.1	137.4	285.0			41.2
270.7	88.2	WLUCTV	BLCT2255	TVLIC	MARQUETTE	MI A 46.2011	87.5055	100	333. 106.1	263.4	265.0			15.3

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D,MMSS)	LONG (D,MMSS)	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT			
										REL CHN	HORZ VERT	(M)	A	F5010	F5050	DIST	RSEP	RSEP	IR	IC
22.8	202.9	CRON18 OPE				Sault Ste ON C	46.3550	84.1653	CO 201B	1.70H1.70V	67				28.6	223.	-			
352.6	172.3	CBLJFM OPE				**COMMENT**Proposed as Class B by Canada 951122-Accepted by Commission 95														
						Wawa	ON C 48.0113	84.4500	1ST 202B	50.H 50.V	122				186.2	149.				

*** NORMAL TERMINATION FM CHANNEL SEARCH NO. 1 *** 33 FM RECORDS WERE CONSIDERED; OF WHICH 2 WERE PRINTED ABOVE ***

***** FM CHANNEL SEARCH NO. 2 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:44:27 *****
LAST UPDATE: 970901 *****

NEW	202 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	BW TILT	(METER)	(METER)
46.2136	84.2536 (D,MMSS)		HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL & STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD,MMSS	LATITUDE	LONGITUDE	ERP	HAAT	GRADEB	DIST	RQDIST	CO-LO	F5050
171.3	351.5 WCHL	BLET394	TVLIC	ALPENA	MI A 45.0817	84.0944	100	475.	118.1	137.4	257.0			41.2
270.7	88.2 WLUCTV	BLCT2255	TVLIC	MARQUETTE MI A	46.2011	87.5055	100	333.	106.1	263.4	257.0			15.3

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	ERP (KW)	HAAT	I-CON	P-CON	IR	IC	REZLT
										REL CHN	HORZ VERT	(M)	A F5010 F5050	DIST	RSEP	RSEP IR IC
22.8	202.9	CBON18 OPE				Sault Ste ON C	46.3550	84.1653	1ST 2018	1.70H1.70V	67			28.6	149.	-
352.6	172.3	CBLJFM OPE				Wawa ON C	48.0113	84.4500	CO 2028	50.H 50.V	122			186.2	223.	S
85.4	267.9	VAC				Sudbury ON C	46.3000	81.0000	1ST 203C	H V	0			263.8	195.	
100.0	280.6	VAC				Thessalon ON C	46.1500	83.3300	3RD 205B	H V	0			68.6	71.	S

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 2 **** 32 FM RECORDS WERE CONSIDERED, OF WHICH 4 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 3 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:45:07 *****
LAST UPDATE: 970801 *****

NEW	203 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HCR PLN	DM TILT	(METER)	(METER)
46.2136	84.2536 (D,MMSS)		HORIZONTAL	6,000	0.000	100.0
			VERTICAL	6,000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL & STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD.MMSS	LATITUDE	LONGITUDE	ERP (KW)	HAAT	GRADE	DIST	RQDIST	CO-LO	F5050
171.3	351.5 WCHL	BLET394	TVLIC	ALPENA	MI A 45.0817	45.0817	84.0944	100	475.	118.1	137.4	246.0		41.2
270.7	88.2 WLUCTV	BLCT2255	TVLIC	MARQUETTE MI A	46.2011	46.2011	87.5055	100	333.	106.1	263.4	246.0		15.3

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT			
										REL CHN	HORZ VERT	(M)	A	F5010	F5050	DIST	RSEP	RSEP	IR	IC
22.8	202.9	CBON1B	OPE			Sault Ste ON C	46.3550	84.1653	2ND 201B	1,70H	1,70V	67				28.6	84.	-		
352.6	172.3	CBLJFM	OPE			Wawa ON C	48.0113	84.4500	1ST 202B	50.H	50.V	122				186.2	149.			
85.4	267.9	VAC				Sudbury ON C	46.3000	81.0000	CD 203C	H	V	0				263.8	259.	C		
100.0	280.6	VAC				Thessalon ON C	46.1500	83.3300	2ND 205B	H	V	0				68.6	84.	S		

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 3 **** 33 FM RECORDS WERE CONSIDERED, OF WHICH 4 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 4 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:45:24 *****
LAST UPDATE: 970801 *****

NEW	204 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HORIZONTAL	HOR PLN BM TILT	(METER)	(METER)
46.2136	84.2536 (D.MMSS)		VERTICAL	6.000 0.000	100.0	
				6.000 0.000	100.0	

**** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs ****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FMTOTV	TV	TV	FMTOTV	FMTOTV	FMRP	TVATFM
		LATITUDE	LONGITUDE	ERP	HAAT	GRADE	DIST	RQDIST CO-LO F5050
171.3	351.5	FILE NUMBER	SERV STAT CITY	ST C DD.MMSS	DDD.MMSS	(KW) METER	(KM) (KM)	(KM) (KW) (DBU)
WCML	BLETJ94	TVLIC	ALPENA	MI A 45.0917	84.0944	100 475.	118.1 137.4	235.0 41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	ERP (KW)	HAAT	D I-CON	P-CON	IR	IC	REZLT
										REL CHN	HORZ VERT	(M)	A F5010 F5050	DIST	RSEP	RSEP IR IC
22.8	202.9	CBON18	OPE			Sault Ste ON C	46.3550	84.1653	3RD 201B	1.70H1.70V	67			28.6	71,	-
COMMENTProposed as Class B by Canada 951122-Accepted by Commission 95																
85.4	267.9	VAC				Sudbury	ON C	46.3000	81.0000 1ST 203C	H V 0				263.8	195,	
203.9	23.0	WIAA	LIC		BLED900105KB	Interloch MI A	44.1633	85.4249	CO 204C	100.H100.V	402	183.1	79.9	252.7	213.2	168.9
24.3	205.0	VAC				Chapleau	ON C	47.5115	83.2508	CO 204A	H V 0			182.8	180,	C
100.0	280.6	VAC				Thessalon	DN C	46.1500	83.3300	1ST 205B	H V 0			68.6	149,	S
28.5	208.5	WYSS	LIC		BLH6856	Sault Ste MI A	46.2348	84.2352	IF 258C2	26.5H26.5V	99			4.6	15,	S
COMMENTInternational Class Remains C1 with Respect to Canada																
28.5	208.5	USE				Sault Ste MI A	46.2348	84.2352	IF 258C2	H V 0				4.6	15,	S
COMMENTInternational Class Remains C1 with Respect to Canada																

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 4 **** 39 FM RECORDS WERE CONSIDERED, OF WHICH 7 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 5 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:45:44 *****
LAST UPDATE: 970801 *****

NEW	205 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAASL
SAULT STE MARIE MI	US		HOR PLN	0.000	(METER)	(METER)
46.2136	84.2536 (D.MMSS)		HORIZONTAL	5.000	0.000	100.0
			VERTICAL	5.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C (D.MMSS)	LATITUDE	LONGITUDE	ERP (KW)	HAAT (METER)	GRADEB	DIST (KM)	RQDIST (KM)	CO-LO (KM)	F5050 (DBU)
171.3	351.5	WCML	BLET394	TVLIC	ALPENA	MI A	45.0817	84.0944	100	475.	118.1	137.4	225.0	41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FRDM	T0	CALL	STS	FILE NUMBER	CITY	ST C (D.MMSS)	LAT	LONG	ERP (KW)	HAAT D	I-CON	P-CON	IR	IC	REZLT		
								REL CHN		HORZ VERT (M)	A	F5010	F5050	DIST	RSEP	RSEP	IR	IC
100.0	280.6		VAC			Thessalon	ON C 46.1500	83.3300	CO	205B	H	V	0			68.6	223.	S
352.9	172.7		VAC			Wawa	ON C 48.0113	84.4403	1ST	206B	H	V	0			186.0	149.	
22.8	202.9		CBSFM	OPE		Sault Ste	ON C 46.3550	84.1653	3RD	208B	46.H	46.V	117			28.6	71.	-
28.5	208.5		WYSS	LIC	BLH6956	Sault Ste	MI A 46.2348	84.2352	IF	258C2	26.5H	26.5V	99			4.6	15.	S

COMMENTInternational Class Remains C1 with Respect to Canada

28.5 208.5 USE Sault Ste MI A 46.2348 84.2352 IF 258C2 H V 0

4.6 15.

S

COMMENTInternational Class Remains C1 with Respect to Canada

*** NORMAL TERMINATION FM CHANNEL SEARCH NO. 5 *** 30 FM RECORDS WERE CONSIDERED, OF WHICH 5 WERE PRINTED ABOVE ***

***** FM CHANNEL SEARCH NO. 6 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:46:01 *****
LAST UPDATE: 970801 *****

NEW	206 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	BM TILT	(METER)	(METER)
46.2136	84.2536 (D,MMSS)		HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

**** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs ****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD,MMSS	LATITUDE	LONGITUDE	ERP (KW)	HAAT	GRADE	DIST	RCDIST	CO-LO	F5050
171.3	351.5	WCML	BLET394	TVLIC	ALPENA	MI A 45.0917	84.0944	100	475.	118.1	137.4	211.0		41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D,MMSS)	LONG	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT			
										REL CHN	HORZ VERT	(M)	A	F5010	F5050	DIST	RSEP	RSEP	IR	IC
100.0	280.6		VAC			Thessalon	ON C	46.1500	83.3300	1ST	205B	H	V	0		68.6	149.	149.	S	
352.9	172.7		VAC			Wawa	ON C	48.0113	84.4408	CO	206B	H	V	0		186.0	223.	223.	S	
190.9	10.7	NEW	APP		BPED961122MA	Bear Cree	MI A	45.1012	84.4504	1ST	207C2	H	6.0V	393	76.2	51.1	134.7	106.3	97.4	
92.5	274.4		VAC			Espanola	ON C	46.1500	81.4900	1ST	207B	H	V	0		201.4	149.	149.		
22.8	202.9	CRSMFM	OPE			Sault Ste	ON C	46.3550	84.1653	2ND	208B	46.H	46.V	117		29.6	84.	84.	-	

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 6 **** 31 FM RECORDS WERE CONSIDERED, OF WHICH 5 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 7 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:46:19 *****

LAST UPDATE: 970801

NEW	207 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HDR PLN	DM TILT	(METER)	(METER)
46.2136	84.2536	(D.MMSS)	HORIZONTAL	5.000	0.000	100.0
			VERTICAL	5.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

***** * TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD.MMSS	LATITUDE	LONGITUDE	ERP (KW)	HAAT METER	GRADEB	DIST (KM)	RQDIST (KM)	CO-L0 (KW)	F5050 (DBU)
171.3	351.5 WCML	BLET394	TVLIC	ALPENA	MI A 45.0817	45.0817	84.0941	100	475.	118.1	137.4	196.0	41.2	

***** ***THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE***

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C (D.MMSS)	LAT	LONG	ERP (KW)	HAAT D	I-CON	P-CON	IR	IC	REZLT		
								REL CHN	HORZ VERT	(M)	A F5010	F5050	DIST	RSEP	RSEP	IR IC		
100.0	280.6	VAC				Thessalon	ON C 46.1500	83.3300	2ND 205B	H	V	0			68.6	84.	S	
352.9	172.7	VAC				Wawa	ON C 48.0113	84.4408	1ST 206B	H	V	0			186.0	149.		
190.9	10.7	NEW APP				Bear Cree	MI A 45.1012	84.4504	CO 207C2	H	6.0V	393	124.5	51.1	134.7	154.6	140.1	S S
CUT-OFF DATE = 08/28/97 **COMMENTVertical Polarization Only																		
92.5	274.4	VAC				Espanola	ON C 46.1500	81.4900	CO 207B	H	V	0			201.4	223.	S	
22.8	202.9	CBSMFM OPE				Sault Ste	ON C 46.3550	84.1653	1ST 208B	46.H	46.V	117			28.6	149.	-	

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 7 **** 34 FM RECORDS WERE CONSIDERED, OF WHICH 5 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. B -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:46:38 *****
LAST UPDATE: 970801 *****

NEW	20B A	FX	POLARIZATION	ERP (KW)	HAAT	RCAHSL
			HOR PLN	RM TILT	(METER)	(METER)
SAULT STE MARIE MI	US		HORIZONTAL	6.000	0.000	100.0
46.2136	84.2536 (D,MMSS)		VERTICAL	6.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD,MMSS	LATITUDE	LONGITUDE	ERP	HAAT	GRADEB	DIST	RQDIST	CO-LO	F5050
						(DD,MMSS)	DD,MMSS	(KW)	METER	(KM)	(KM)	(KM)	(KM)	(DBU)
171.3	351.5 WCMU	BLET394	TWLIC	ALPENA	MI A 45.0817	45.0817	84.0944	100	475.	118.1	137.4	196.0	41.2	

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D,MMSS)	LONG (D,MMSS)	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT	
100.0	280.3	VAC				Thessalon	ON C	46.1500	83.3300	3RD 205B	H	V	0			68.6	71.	S
190.9	10.7	NEW APP	BPED961122MA			Bear Cree	MI A	45.1012	84.4504	1ST 207C2	H	6.0V	393	76.2	51.1	134.7	106.3	97.4
CUT-OFF DATE = 08/28/97 **COMMENTVertical Polarization Only																		
92.5	274.4	VAC				Espanola	ON C	46.1500	81.4900	1ST 207B	H	V	0			201.4	149.	
22.8	202.9	CBSFM OPE				Sault Ste	ON C	46.3550	84.1653	CO 208B	46.H	46.V	117			28.6	223.	-
96.1	276.9	VAC				Iron Brid	ON C	46.1600	83.1433	2ND 210A	H	V	0			91.8	62.	
18.3	198.3	WLSO LIC	BLED931018KB			Sault Ste	MI A	46.2931	84.2148	3RD 211A	0.1H	0.1V	50	0.7	7.2	15.5	30.8	10.1 W C
COMMENTSpecially negotiated, short-spaced channel-Accepted by Canada																		

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. B **** 37 FM RECORDS WERE CONSIDERED, OF WHICH 6 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 9 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:46:58 *****

***** LAST UPDATE: 970801 *****

NEW	209 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
Sault Ste Marie MI	US		HOR PLN	BW TILT	(METER)	(METER)
46.2136	84.2536	(D,MMSS)	HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C	LATITUDE (D.MMSS)	LONGITUDE (D.MMSS)	ERP (KW)	HAAT (METER)	GRADEB	DIST (KM)	RQDIST (KM)	CO-LO (KM)	F5050 (DBU)
171.3	351.5	WCML	BLET394	TULIC	ALPENA	MI A	45.0817	84.0944	100	475.	118.1	137.4	193.0	41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG (D.MMSS)	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT		
22.8	202.9	CBSFM	OPE			Sault Ste	ON C	46.3550	84.1653	1ST	208B	46.H	46.V	117			28.6	149.	-
341.8	160.8	VAC				Manitouwa	ON C	49.0821	85.4924	CO	209B	H	V	0			326.2	223.	
96.1	276.9	VAC				Iron Brid	ON C	46.1600	83.1433	1ST	210A	H	V	0			91.8	113.	S
18.3	198.3	WLSO	LIC	BLED931018KB	Sault Ste MI A	46.2931	84.2148	2ND	211A	0.1H	0.1V	50	2.4	7.2	15.5	32.5	16.9	W S	
COMMENTSpecially negotiated, short-spaced channel-Accepted by Canada																			
25.1	205.2	CHASFM	OPE			Sault Ste	ON C	46.3033	84.1930	IF	263C	6.8H	V	32			18.3	40.	-
12.7	192.7	CHASFM	PRO			Sault Ste	ON C	46.3540	84.2100	IF	263C	14.0H	V	125			26.7	40.	-

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 9 **** 38 FM RECORDS WERE CONSIDERED, OF WHICH 6 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 10 -

GAITHERSBURG, MARYLAND -- 14-AUG-97 15:47:18 *****
LAST UPDATE: 970801 *****

NEW	210 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	EM TILT	(METER)	(METER)
46.2136	84.2536	(D.MMSS)	HORIZONTAL	5.000	0.000	100.0
			VERTICAL	5.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C	DD.MMSS	LONGITUDE	ERP	HAAT	GRADE	DIST	RQDIST	CO-LO	F5050
171.3	351.5	WCML	BLET394	TULIC	ALPENA	MI A	45.0817	84.0944	100	475.	118.1	137.4	196.0	41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT		
22.8	202.9	CBSFM	M	OPE		Sault Ste	ON C	46.3550	84.1653	2ND	208B	46.H	46.V	117		29.6	84.	-	
209.1	28.2	WLJNF	M	LIC	BLED931126KA	Traverse	MI A	44.4636	85.3943	CD	210C2	12.5H12.5V	222	116.3	46.6	200.7	146.4	135.6	
96.1	276.9	VAC				Iron Brid	ON C	46.1600	83.1433	CD	210A	H	V	0		91.8	180.	S	
24.3	205.0	CBCUFM	M	OPE		Charleau	ON C	47.5115	83.2508	CD	210A	0.35H0.35V	70			182.8	180.	C	
18.3	198.3	WLSO	LIC		BLED931018KB	Sault Ste	MI A	46.2931	84.2148	1ST	211A	0.1H	0.1V	50	10.4	7.2	15.5	40.5	53.5 W S
COMMENTSpecially negotiated, short-spaced channel-Accepted by Canada																			
25.1	205.2	CHASFM	M	OPE		Sault Ste	ON C	46.3033	84.1930	IF	263C	6.8H	V	32		18.3	40.	-	
12.7	192.7	CHASFM	PRO			Sault Ste	ON C	46.3540	84.2100	IF	263C	14.0H	V	125		26.7	40.	-	

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 10 **** 46 FM RECORDS WERE CONSIDERED, OF WHICH 7 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 11 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:47:38 *****

***** LAST UPDATE: 970801 *****

NEW	211 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	BM TILT	(METER)	(METER)
46.2136	84.2536	(D.MMSS)	HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C	LATITUDE DD.MMSS	LONGITUDE DD.MMSS	ERP (KW)	HAAT METER	GRADE	DIST (KM)	RQDIST (KM)	CO-LO (KM)	F5050 (DBU)
171.3	351.5	WCML	BLET394	TULIC	ALPENA	MI A	45.0917	84.0944	100	475.	113.1	137.4	196.0	41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG (D.MMSS)	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT		
												A	F5010	F5050	DIST	RSEP	RSEP	IR	IC
22.8	202.9	CBSFM	VPE			Sault Ste	ON C	46.3550	84.1653	3RD	208B	46.H	46.V	117		28.8	71.	-	
96.1	276.9	VAC				Iron Brid	ON C	46.1600	83.1433	1ST	210A	H	V	0		91.8	113.	S	
87.2	269.7	CBBSFM	OPE			Sudbury	ON C	46.2529	81.0054	CO	211B	49.H	V	153		262.5	223.		
18.3	198.3	WLSQ	LIC	BLED931018KE	Sault Ste MI A	46.2931	84.2148	CO	211A	0.1H	0.1V	50	24.3	7.2	15.5	54.4	96.2	W S	
COMMENTSpecially negotiated; short-spaced channel-Accepted by Canada																			
271.1	88.6	WNMFUM	LIC	BLED1511	Marquette MI A	46.2109	87.5132	CO	211C1	100.H	100.V	315	173.7	73.5	244.2	203.8	162.5		
88.0	269.3	VAC			Elliot La	ON C	46.2321	82.3706	1ST	212A	H	V	0		139.1	113.			

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 11 **** 47 FM RECORDS WERE CONSIDERED, OF WHICH 6 WERE PRINTED ABOVE ****

***** FM CHANNEL SEARCH NO. 12 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:47:57 *****
LAST UPDATE: 970801 *****

NEW	212 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	BM TILT	(METER)	(METER)
46.2136	84.2536 (D,MMSS)		HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C	LAT DD,MMSS	LONG DDD,MMSS	ERP (KW)	HAAT METER	GRADE (KM)	DIST (KM)	RQDIST (KM)	CO-LO (KW)	F5050 (DBU)
171.3	351.5 WCMU	BLET394	TVLIC	ALPENA	MI A	45.0817	84.0944	100	475. 118.1	137.4	195.0			41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D,MMSS)	LONG (D,MMSS)	ERP (KW)	HAAT (M)	D (KM)	I-CON F5010 (KM)	P-CON F5050 (KM)	IR (KM)	IC (KM)	REZLT		
96.1	276.9	VAC				Iron Brid	ON C	46.1600	83.1433	2ND	210A	H	V	0	91.8	62.			
18.3	198.3	WLSO	LIC		BLED931018KB	Sault Ste	MI A	46.2931	84.2148	1ST	211A	0.1H	0.1V	50	10.4	7.2	15.5	40.5	52.5 W S
COMMENTSpecially negotiated, short-spaced channel-Accepted by Canada																			
88.0	269.3	VAC				Elliot La	ON C	46.2321	82.3706	CD	212A	H	V	0			139.1	180.	S
171.3	351.5	WPHN	LIC		BLED850419LP	Gaylord	MI A	45.0817	84.0944	1ST	213C	100.H	100.V	331	108.6	74.7	137.4	138.7	121.0 S
22.3	202.4	VAC				Sault Ste	ON C	46.3100	84.2000	3RD	215B	H	V	0			18.8	71.	-

*** NORMAL TERMINATION FM CHANNEL SEARCH NO. 12 *** 44 FM RECORDS WERE CONSIDERED, OF WHICH 5 WERE PRINTED ABOVE ***

***** FM CHANNEL SEARCH NO. 13 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:48:18 *****
LAST UPDATE: 970801 *****

NEW	213 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	BM TILT	(METER)	(METER)
46.2136	84.2536	(D,MMSS)	HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

**** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs ****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C	DD.MMSS	DDD.MMSS	ERP	HAAT	GRADE	DIST	RQDIST	CO-LO	F5050
171.3	351.5	WCML	BLT394	TULIC	ALPENA	MI A	45.0917	84.0944	100	475.	118.1	137.4	193.0	41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT	LONG	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT
								(D,MMSS)		REL CHN	HORZ VERT	(M)	A	F5010 F5050	DIST	RSEP	RSEP IR IC
13.3	198.3	WLSO	LIC	BLED931018KB	Sault Ste MI A	46.2931	84.2148	2ND	211A	0.1H	0.1V	50	2.4	7.2	15.5	32.5	16.9 W S
COMMENTSpecially negotiated, short-spaced channel-Acceted by Canada																	
88.0	269.3	VAC		BLED950914KA	Elliot La ON C	46.2321	82.3706	1ST	212A	H	V	0			139.1	113,	
235.8	53.7	WPFF	LIC	BLED850419LP	Sturgeon WI A	44.5414	87.2213	CD	213C1	100.H100.V	213	163.3	65.0	280.9	193.4	154.0	
171.3	351.5	WPHN	LIC	BLED850419LP	Gaslord MI A	45.0817	84.0944	CO	213C	100.H100.V	331	175.7	74.7	137.4	205.8	163.7 S	S
22.3	202.4	VAC			Sault Ste ON C	46.3100	84.2000	2ND	215B	H	V	0			18.8	84,	-
23.2	203.2	WSUE	LIC	BLH7453	Sault Ste MI A	46.2816	84.2242	IF	267C1	90.H 90.V	81				9.4	22,	S

*** NORMAL TERMINATION FM CHANNEL SEARCH NO. 13 *** 42 FM RECORDS WERE CONSIDERED, OF WHICH 6 WERE PRINTED ABOVE ***

***** FM CHANNEL SEARCH NO. 14 -

GAITHERSBURG, MARYLAND - 14-AUG-97 15:48:38 *****
LAST UPDATE: 970801 *****

NEW	214 A	FX	POLARIZATION	ERP (KW)	HAAT	RCAMSL
SAULT STE MARIE MI	US		HOR PLN	BM TILT	(METER)	(METER)
46.2136	84.2536	(D.MMSS)	HORIZONTAL	6.000	0.000	100.0
			VERTICAL	6.000	0.000	100.0

***** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATs *****

* TV CHANNEL 6 STUDY *

* GRADE B = 47 DBU *

AZIMUTH (DEGREES)	CALL	FILE NUMBER	SERV STAT	CITY	ST C DD.MMSS	LATITUDE	LONGITUDE	ERP (KW)	HAAT	GRADE	DIST	RQDIST	CO-L0	F5050
171.3	351.5	WCMU	BLET394	TVLIC	ALPENA	MI A 45.0817	84.0944	100	475.	118.1	137.4	187.0		41.2

THE CANADIAN BORDER IS 4.1 KM ON A BEARING OF 47.7 DEG. TRUE

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	ERP (KW)	HAAT	D	I-CON	P-CON	IR	IC	REZLT						
												REL CHN	HORZ	VERT	(M)	A	F5010	F5050	DIST	RSEP	RSEP	IR	IC
18.3	198.3	WLSO	LIC	BLED931018KB	Sault Ste MI A	46.2931	84.2140	3RD	211A	0.1H	0.1V	50	0.7	7.2	15.5	30.8	10.1	W	C				
COMMENTSpecially negotiated, short-spaced channel-Accepted by Canada																							
171.3	351.5	WPHN	LIC	BLED850419LP	Gesford	MI A 45.0817	84.0944	1ST	213C	100.H	100.V	331	108.6	74.7	137.4	138.7	121.0	S					
352.6	172.3	CBON27	OPE		Wawa	ON C 48.0113	84.4500	CD	214A	0.89H	V	115							186.2	180.		C	
22.3	202.4	VAC			Sault Ste ON C	46.3100	84.2000	1ST	215B	H	V	0							18.8	149.		-	
23.2	203.2	WSUE	LIC	BLH7453	Sault Ste MI A	46.2616	84.2242	IF	267C1	90.H	90.V	81							9.4	22.		S	

**** NORMAL TERMINATION FM CHANNEL SEARCH NO. 14 **** 42 FM RECORDS WERE CONSIDERED, OF WHICH 5 WERE PRINTED ABOVE ****